

## Patent Abstracts of Japan

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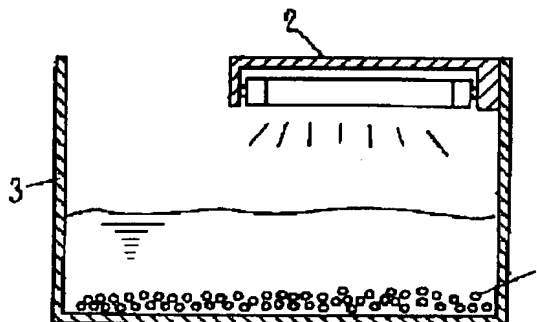
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TITLE : HYDRAULIC STERILIZER AND  
ULTRASONIC HUMIDIFIER



ABSTRACT : PURPOSE: To sterilize microorganism in water by active hydrogen to be generated by a photocatalytic reaction of anatase-type titanium dioxide by irradiating the anatase-type titanium dioxide provided in water with near ultraviolet rays concerning a hydraulic sterilizer which sterilizes the microorganism breeding in the water.

CONSTITUTION: Anatase-type titanium dioxide 1 provided in a hydraulic sterilizer 3 is irradiated with near ultraviolet rays generated from a near ultraviolet ray irradiator 2 to get oxygen in water excited by a photocatalytic reaction of the anatase-type titanium dioxide 1 thereby generating active oxygen.

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